



CITY OF MILPITAS

COMMUNITY ACCESS TV CENTER PROPOSAL

General Description:

The purpose of this document is to outline the service that Magic Wave Productions, Inc. will provide the City of Milpitas for the design and integration of the audio/visual production systems and installation of equipment, wiring and consoles needed to develop a community television center to be used by the citizens of Milpitas.

The objective of this project is to create a working video production facility in an existing space on the first floor of the Milpitas City Hall. The facility will be configured as a two-room facility of approximately 300 square feet in size. One room will serve as the studio with remote controlled cameras and low energy lighting on movable pedestals and will cover the production. The other will be the control room in which the director of the show can control the camera shots and audio that will be captured on DVD, tape and/or go live on the air.

Studio Systems and Equipment:

The studio will house the digital cameras and low energy lighting equipment with curtain backdrops and have enough space to produce small 1-3 person talk show format shows. A window between the control room and the studio will allow the producer/director to see into the studio.

- Three 3-CCD PTZ cameras mounted on movable pedestals in the studio with optional SDI output card for higher quality output.
- Cameras can be moved into conference room for coverage of larger meetings and presentations.
- Fluorescent based lighting on each of the camera pedestals.
- Additional Low wattage lighting for backlights and accent lighting.
- Multiple audio and microphone inputs on custom wall panels in studio.
- Curtain track and curtains for use as backdrops.
- Ceiling mounted speakers for return audio feeds.
- LCD monitors on the camera stands for return feed of roll-in clips or other return video sources.
- Inputs for additional digital and analog video or computer sources.



Control Room Systems:

The control room will house all the racks and consoles with the equipment necessary to capture the shows produced not only in the studio but also meetings and presentations in the adjacent conference room. The equipment in the control room will also control the playback of programs on the new community access channel as well as additional channels if needed in the future. A non-linear edit system will also be incorporated into the control room for postproduction editing of program material. The console and rack design will not only serve as a production console and equipment bays, but also as a work area for the channel operators to greet guest and conduct business during the day to day operations of the facility.

- Broadcast Pix computer based 8 SDI input digital production switcher with character generator and dual DDRs for clip roll-ins.
- Pioneer PRV LX-1 DVD recorder with SDI digital inputs.
- Sony DSR-1500A DV/DVCam Digital Tape Recorder with SDI inputs
- Leitch Integrator router and control panels with digital and analog capabilities and stereo audio.
- Leightronix IP based playback controller and interfaces.
- 360 Systems 3 channel video server with 250 Gigs of storage.
- Tascam DV-6500 DVD players with RS232 control.
- AMX camera controller for control of Sony PTZ cameras.
- Scan Converter with digital output for computer-based presentations.
- Symetrix DSP based audio control with custom computer control screens.
- Ceiling mounted speakers for monitoring all audio sources.
- Viewsonic 23" LCD wide screen monitors.
- RGBHV monitor switching system
- AJA SDI to composite and composite to SDI converters.
- Leader Multi-format on screen signal monitor with SDI/composite output.
- Avid Liquid Pro Non-Linear editing system.
- Custom fabricated production console and rack enclosures made to fit the compact design of the facility.



Magic Wave Productions, Inc. is a design, integration and installation provider. Magic Wave does not represent any equipment manufacturers or sell any equipment direct to our clients. We have working relationships with many equipment vendors any will work with the city to procure the needed equipment. Installation costs may vary based on the final design selected.

Scope of Work:

Magic Wave will provide the following services:

- Design and integration of all the video production studio systems.
- Work with selected vendor to make sure all equipment is received and delivered in a timely manner.
- Work with city's facilities department or selected contractor to make any upgrades or changes to the selected space as needed to meet the design objectives.
- Install all racks, furniture, fixtures and wiring described in the approved design.
- Program all equipment as require in the design with input from city staff.
- Test system and make adjustments as necessary.
- Provide training to appointed city staff on the operation of all of the various production systems.

Estimated Costs:

System Design	\$ 4,760.00*
Estimated Equipment installation and material cost	\$ 66,447.75**
3 Days System training and overview	\$ 1,800.00
Estimated Total	\$ 73,007.75

Estimated Timeline:

Finalized system design – target completion 10/25/06
Receive equipment from vendors – target 11/15/06
Start system installation – target 11/28/06
System check-out and timing – target 1/8/07
Installation of systems and check out completion – target 1/15/07
Staff Training and system overview – target 1/17/07-1/19/07

*(Based on similar system designs and installation projects.)

**(May vary, based on final system design, includes cable, connectors, install material and labor)



References:

Town of Los Altos Hills
26379 Fremont Road
Los Altos Hills, CA 94022
Karen Jost
City Clerk
650.941.7222
kjost@losaltoshills.ca.gov

Technical Consultant, design and install of New Town Hall audiovisual system, cablecast system in progress.

City of Concord
1950 Parkside Drive
Concord, CA 94519
Mark Chaney
Video Services Coordinator
925.671.3311 ext.8021
mchaney@ci.concord.ca.us

Design and install of City hall control room and playback system, council chamber upgrade in progress. Annual contract for system maintenance and upgrades.

City of Campbell
70 N. First Street
Campbell, CA 95008
Al Bito
City Manager's Office
408.866.2128
ALB@ci.campbell.ca.us

Designed and installed original pilot test cablecast system in 1996. Currently working with the City to upgrade Council Chamber's audiovisual and cablecast system with new technologies including Non-Linear Editing and DVD record and playback systems.



Mountain View Community TV, KMVT 15
1400 Terra Bella Ave. Suite M
Mountain View, CA 94043
Lindsey Wong
Operations Manager / Senior Producer
650.968.1540
lwong@kmvt15.org

Design of complete production facility, installation of all equipment. Annual contracts for maintenance and upgrades for not only KMVT equipment, but also the City of Mountain View and City of Sunnyvale council chamber video systems.

Media Center of Palo Alto
900 San Antonio Rd.
Palo Alto, CA 94303
Justin L. Atkin
Senior Staff Producer
650.494.8686
justin@communitymediacenter.net

Technical consultant, design and installation of studio control room, edit suites and dub system.

City of San Mateo
330 West 20th Avenue
San Mateo, CA 94403
Norma Gomez
City Clerk
650.522.7042
ngomez@cityofsanmateo.org

Maintenance of current council chambers audiovisual system.